

Sentiment Analysis on Amazon Food Reviews using Machine Learning Approach

Mithun Upadhyay, Salman Khan, Gaurav Thakur
Sinhgad Institute of Technology, Lonavala, Maharashtra, India

Abstract: *This is a research paper on Sentiment analysis on food review that are provided by consumers with the help of machine learning algorithms. Classification is very important both for humans and machines. Sentiment analysis is the process of classifying a piece of text based on the intuitive information it expresses. It is one of the top applications of Natural Language Processing (NLP). The popularity of sentiment analysis is due to its wide range of real-time applications. Automatically understanding the opinions behind the user-generated text like social media posts and product reviews is of great help for commercial purposes. So many of the leading tech companies are investing in sentiment analysis of the user reviews for their products. In this project, we performed sentiment analysis on Amazon food reviews data set using four different machine learning models – Naive Bayes, Logistic Regression, XgBoost and LSTM Neural Networks and compared the results.*

Keywords: Sentiment analysis;

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